PROJECT DESCRIPTION

I. GENERAL

This project involves the modification of an existing Traffic Control Signal with street lighting at the intersection of US 40 and Joppa Road in Harford County. The Exclusive/Permissive left turn phases along US 40 shall be changed to an Exclusive left turn phases. US 40 is assumed to run an east-west direction.

II. INTERSECTION OPERATION

- 1. The intersection shall continue to operate in a NEMA six-phase, fully-actuated mode, with the US 40 approaches running concurrently. Exclusive left turn phases shall now be provided for both approaches of US 40. The Joppa Road approaches shall continue to run concurrently.
- The existing full-traffic-actuated, eight-phase controller with video interface and all necesary equipment housed in a NEMA size "6" base-mounted cabinet shall be utilized at this intersection.

III. SPECIAL NOTES

- The Signal Shop shall be responsible for terminating all signal cables, to the appropriate terminals and shall properly label each cable.
- 2. All controller cabinet wiring will be performed by the S.H.A. Signal Shop.

The contact persons for District #4 are as follows:

Mr. Randall Scott Assistant District Engineer - Traffic Phone: (410) 321-2781

Mr. Steve Marciszewski Assistant District Engineer – Maintenance Phone: (410) 321–2761

Mr. Michael Pasquariello Assistant District Engineer – Utility Phone: (410) 321–2841

Mr. Richard L. Daff. Sr. Chief. Traffic Operations Division Phone: (410) 787-7630

Mr. Ed Rodenhizer Signal Shop 410-787-7652

Mr. Sonny Bailey Sign Shop 410-787-7670

EQUIPMENT LIST

Α.	EQUIPMENT TO BE SUPPLIED BY S.H.A	
ITEM NO.	DESCRIPTION	QUANTITY
9571	Sheet aluminum signs to consist of: (mast arm or pole mount)	10 SF
	R10-10L "LEFT TURN SIGNAL" sign. (24'X30")	2 EA

EQUIPMENT TO BE FURNISHED AND INSTALLED BY THE SIGNAL SHOP

	TEM O.	DESCRIPTION	QUANT	ITY	
1	001	Maintenance of traffic per assignment.	1	EA	
8	002	12" red or green LED signal head section.	16	EA	:
8	003	12" yellow LED signal head section.	8	EA	, ,
. 8	028	Remove and dispose of existing equipment per assignment.	1	EA	
8	064	Install overhead mounted sign.	10	SF	
8	079	Electrical cable – 7 conductor (No. 14 AWG).	410	L.F.	•

EQUIPMENT TO BE REMOVED

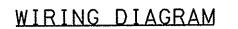
All removed signal materials are to become property of the Contractor.

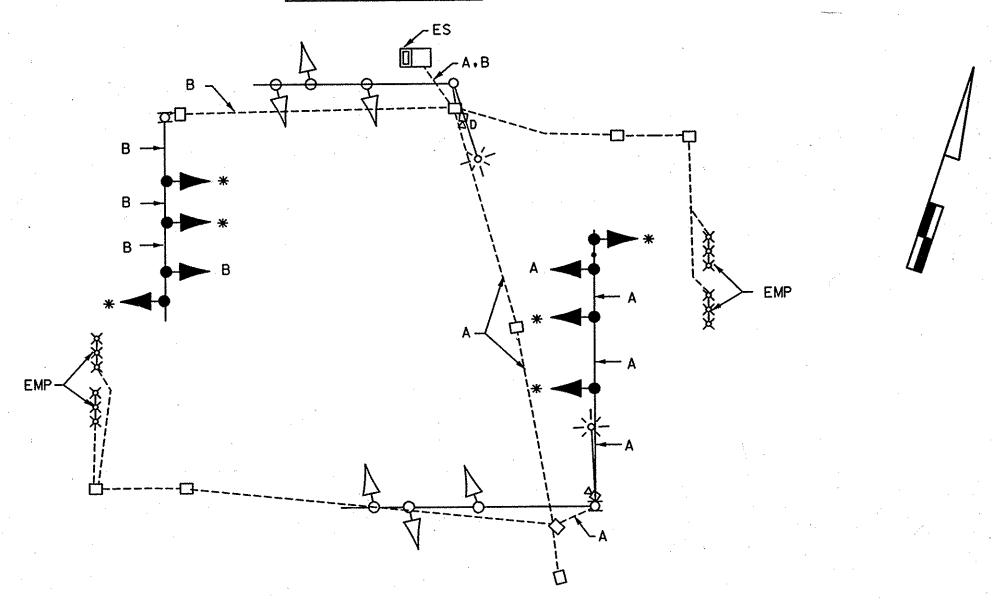
1	2	3	4	5	6	7	8	9	10	11
		RYG	R Y G			R	RYG	RYG	R Y G	RYG

PHASE CHART

PHASE 1 & 5	← G-	4 -G−	R	R	◆ G-	← G-	R	R	R	R	R .	R	R	[°] R	
CHANGES TO PHAS	ES 1 & 6, 2	& 5 OF	2 & 6												_•
PHASE 1 & 6	← G-	← G-	G	G	← R-	∢ -R-	R	R	R	R	R	R	R	R	1.
& 6 CHANGE	4 -Y−	← Y	G	G	◆ R-	4 -R−	R	R	R	R	R	R	R	Ŕ	<i></i> ,
PHASE 2 & 5	← R	4 -R−	R	R	◆ G-	← G-	G	G	R	R	R	R	.R	R	1
2 & 5 CHANGE	← R-	4- R−	R	R	◆ -Y-	∢ -Y	G	G	R	R	R	R	R	R	-
PHASE 2 & 6	← R-	← R-	G	G	4 -R−	∢ -R-	G	G	R	R	R	R	R	R .	1
2 & 6 CHANGE	4 -R-	4 -R−	Y	Υ	← R-	∢ -R-	Y	Y	R	R	R	R.	R	R	
PHASE 4 & 8	← R-	← R-	R	R	◆- R-	4 -R−	R	. R	G	G	G	G	G	G	1,
4 & 8 CHANGE	← R-	4 -R−	R	R	◆ R-	4 -R-	R	R	Y	Y	Y	Υ	Υ	Υ	
FLASHING OPERATION	FL/ ← R-	FL/ ∢ R-	FL/Y	FL/Y	FL/ 4 R-	FL/ ∢ R-	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	FL/R	FL/R	4 1 1

NOTE: SIGNAL HEADS 1.2.5 & 6 SHALL FLASH "RED ARROW" FROM 9 PM TO 6 AM





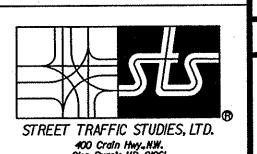
WIRING KEY

- A 7-CONDUCTOR ELECTRICAL B CABLE (NO. 14 A.W.G)
- * USE EXISTING CABLE
- EMP-MICROLOOP LEAD-IN CABLE
- ES-EXISTING SERVICE TO BE MAINTAINED BY BGE

STATE OF MARYLAND DEPARTMENT OF TRANSPORTATION STATE HIGHWAY ADMINISTRATION

12 13 14

US 40 AND JOPPA ROAD



400 Crain Hwy.N.W. Glan Burnia,MD 21061 Ph (410) 590-5500 Fax (410) 590-6637 5120G I • DGN T-17 TS NO. 3727D DRAWING NO. 2 OF 2 SHEET NO.

SCALE NONE DATE 9/29/06 ___ CONTRACT NO. SIGNAL SHOP COUNTY HARFORD DESIGNED BY J. ALLEN LOGMILE 1200400.13 R.C. DRAWN BY_ TIMS NO. H804 CHECKED BY TOD NO. F.A.P. NO.

GENERAL INFORMATION SHEET

PLOTTED: \$DATETIME\$ FILE: \$FILE\$